

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

2-18-04

In re Patent Application of:  Abdalla Aly Naem  Appln. No.: 10/821,501  Filed: April 9, 2004  For: BIPOLAR TRANSISTOR WITH AN ULTRA SMALL SELF-ALIGNED POLYSILICON EMITTER (as amended)	Group Art Unit: 2811  Examiner: Unknown  <u>REQUEST TO CORRECT FILING RECEIPT</u>
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Office of Initial Patent Examination's Filing Receipt Corrections  
Commissioner for Patents  
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Dear Sir:

Enclosed please find a copy of the Corrected Filing Receipt (with correction to drawings not yet indicated). Also, attached is a copy of the return receipt postcard card showing **10** sheets of **formal** drawings (Figures 1-8L) were filed with the divisional application on April 9, 2004 (copy also enclosed) Please make the necessary corrections and forward the **corrected** Filing Receipt to the correspondence address indicated below.

Respectfully submitted,

Dated: 8-12-04 By: Mark C. Pickering

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Request to Correct Filing Receipt

-1-

Atty. Docket No.: 100-15120  
(P04976-P01-D01)

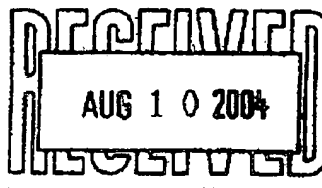


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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/821,501	04/09/2004	2811	770	100-15120 (P04976-P01-D01)	10	18	2

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CONFIRMATION NO. 1418

CORRECTED FILING RECEIPT

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"OC000000013452766"

Date Mailed: 08/05/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

**Applicant(s)**

Abdalla Aly Naem, Overijse, BELGIUM;

**Domestic Priority data as claimed by applicant**

This application is a DIV of 09/994,293 11/26/2001 PAT 6,753,234  
which is a CIP of 09/882,740 06/15/2001 PAT 6,649,482

**Foreign Applications**

If Required, Foreign Filing License Granted: 07/09/2004

Projected Publication Date: Request for Non-Publication Acknowledged

Non-Publication Request: Yes

Early Publication Request: No

**Title**

Bipolar transistor with an ultra small self-aligned polysilicon emitter

**Preliminary Class**

257

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**LICENSE FOR FOREIGN FILING UNDER  
Title 35, United States Code, Section 184  
Title 37, Code of Federal Regulations, 5.11 & 5.15**

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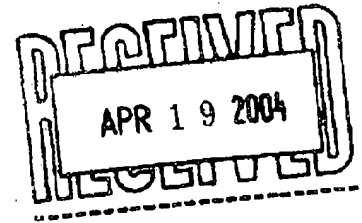
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(Div. of 100-15110)

Patent Appl. No. NEW

In the Matter of the Application of:

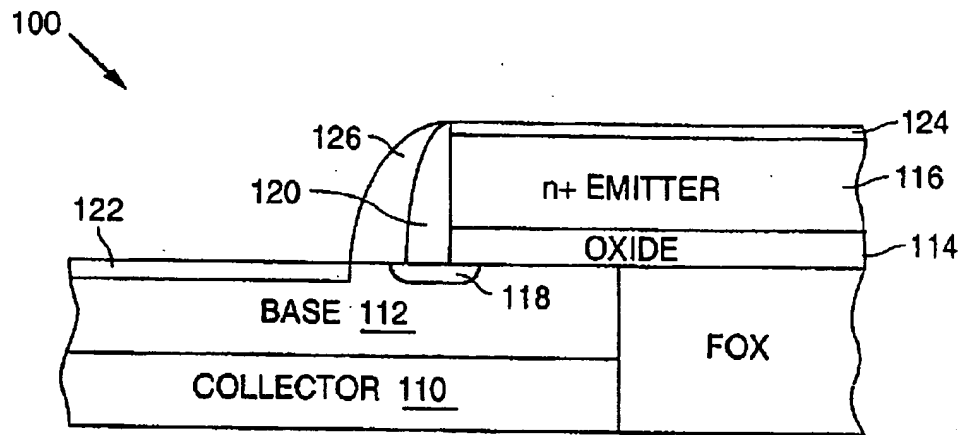
Title: Abdalla Aly Naem  
Bipolar Transistor with an Ultra Small...Date Mailed: 04-09-04File No. 100-15120By: MCPDue Date: 04-12-04

The following has been received in the U.S. Patent and Trademark Office on the date stamped hereon:

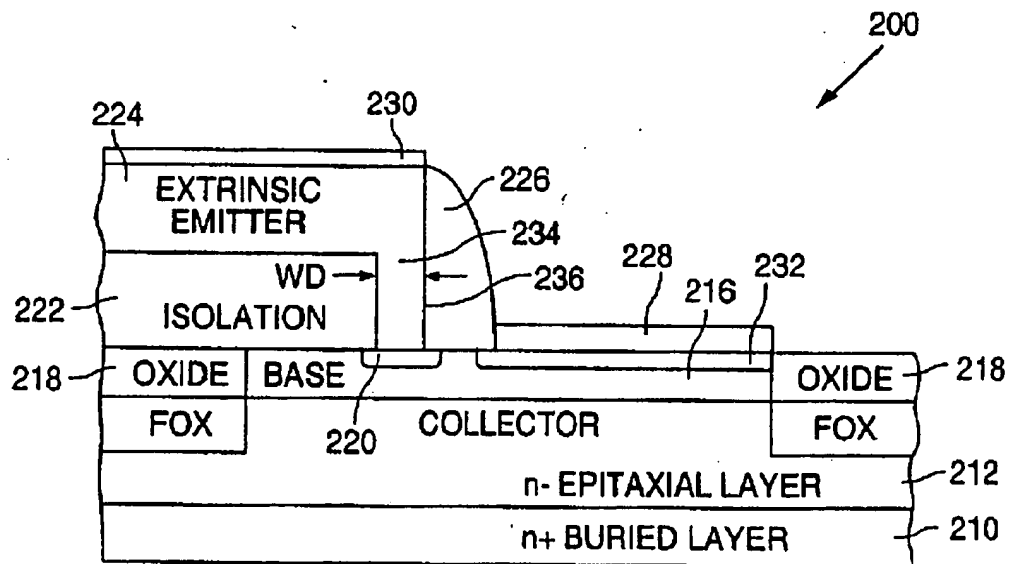
- ☒ Transmittal Letter
- ☒ Patent Application Divisional
- ☒ 25 pgs. Specification including (Claims and Abstract)
- ☒ Drawings 21 sheets 10 formal 11 informal
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- ☐ Assignment w/ Form PTO-1005
- ☐ Power of Attorney
- ☐ Small Entity Statement
- ☒ Deposit Account Authorization (in duplicate)
- ☒ Information Disclosure Statement, PTO-1449 w/ 7 refs.
- ☒ Check \$ 170.00
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- ☐ Appeal Brief (in triplicate)
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- ☒ Maintenance Fee Transmittal
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22782 U.S. PTO  
10/821501

- ☐ Request For: \_\_\_\_\_
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- ☒ Issue Fee Transmittal
- ☒ Fee Transmittal (in duplicate)
- ☐ Petition for: \_\_\_\_\_
- ☒ Other: Appendix A
- ☐ (annotated marked up
- ☐ diag. of Fig. 7)
- ☒ Appendix B (Replacement
- ☐ Sheet of Fig. 1)

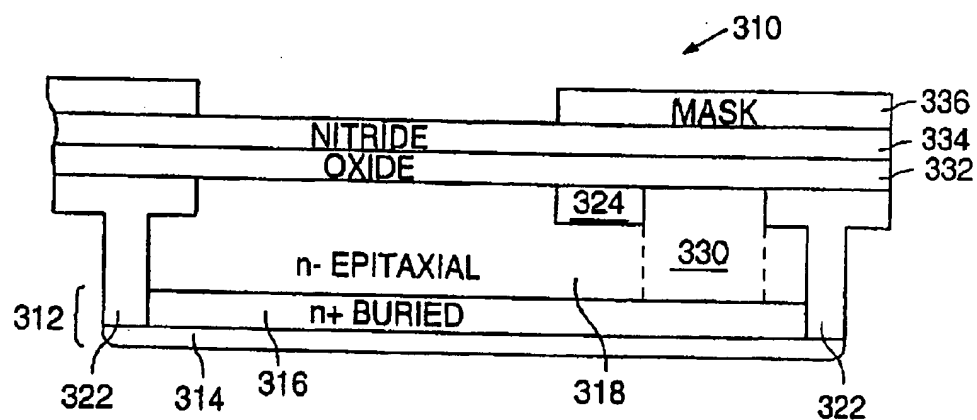


**FIG. 1**  
(PRIOR ART)

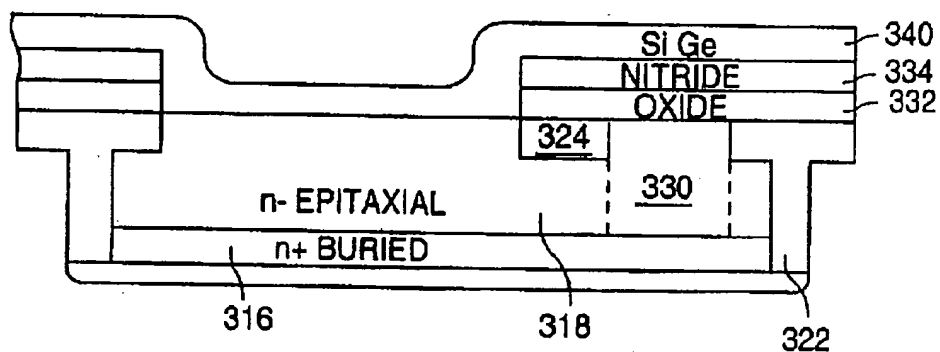


**FIG. 2**

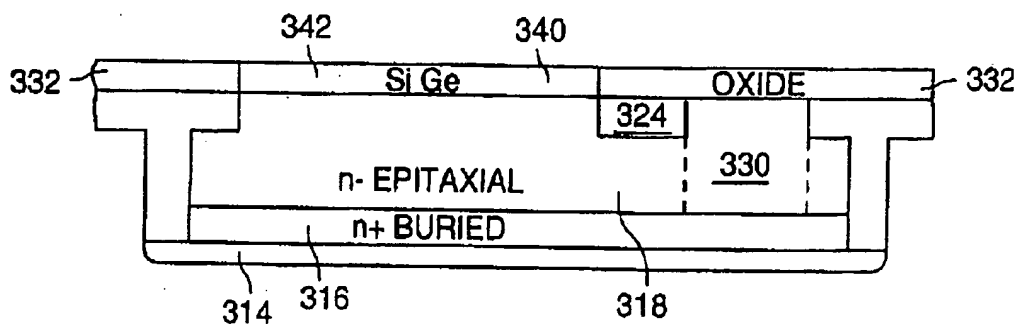
**FIG. 3A**



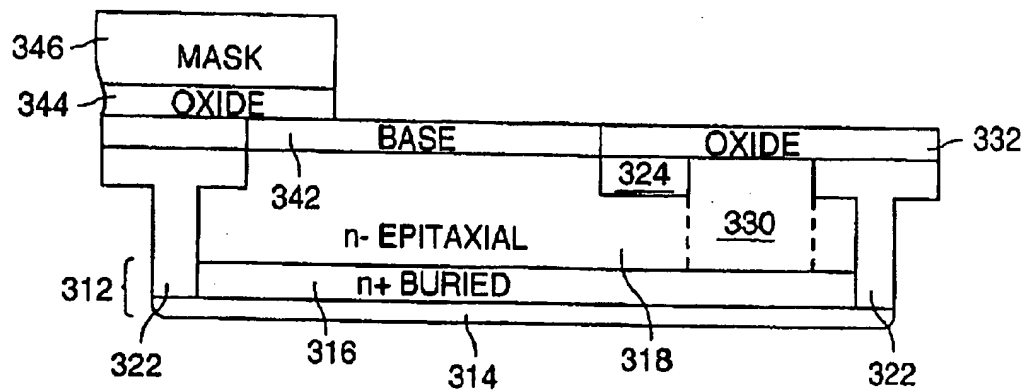
**FIG. 3B**



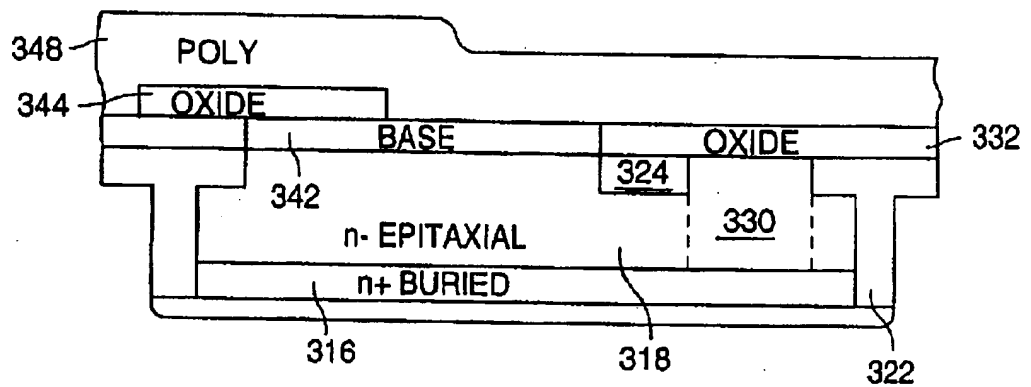
**FIG. 3C**



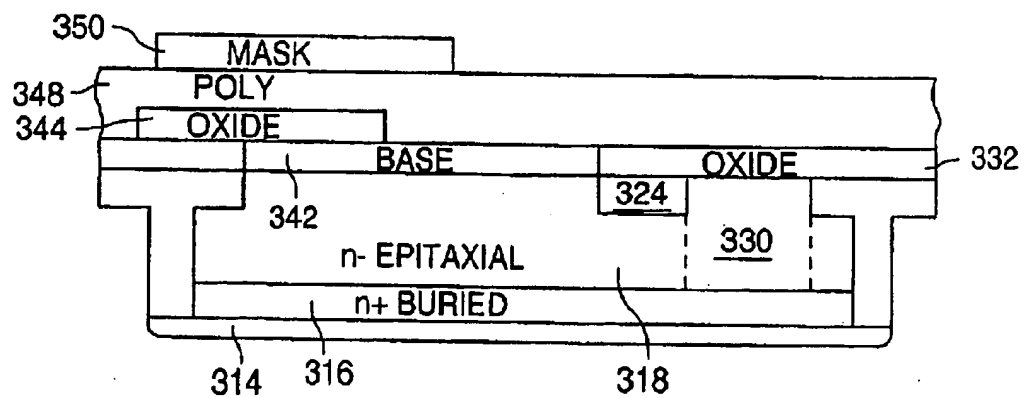
**FIG. 3D**

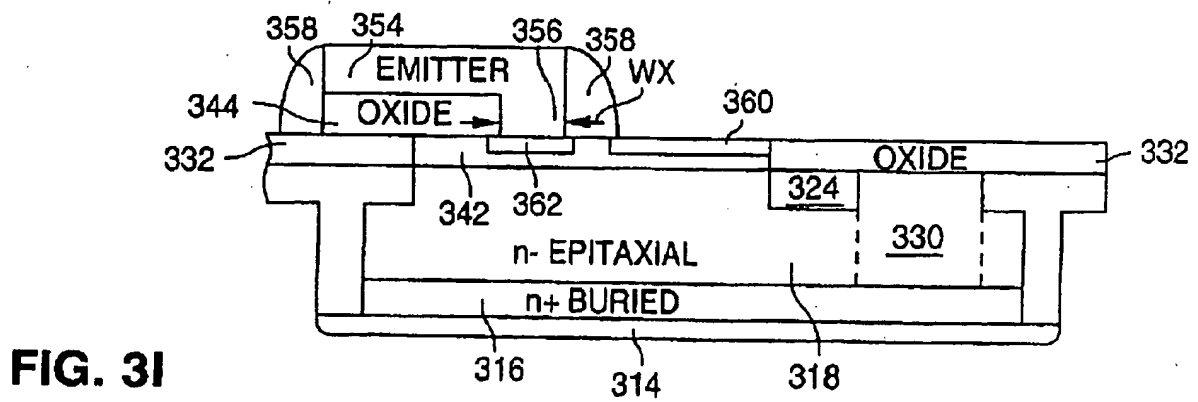
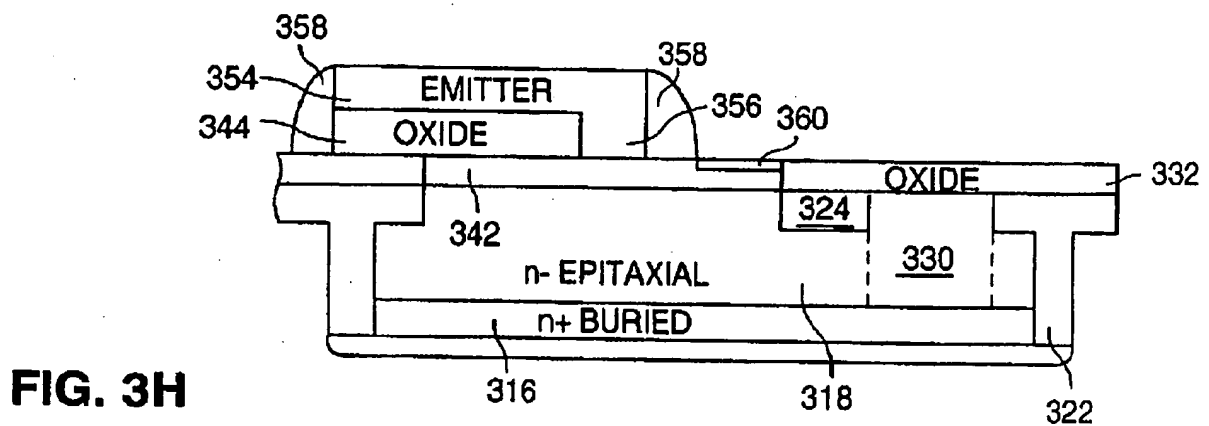
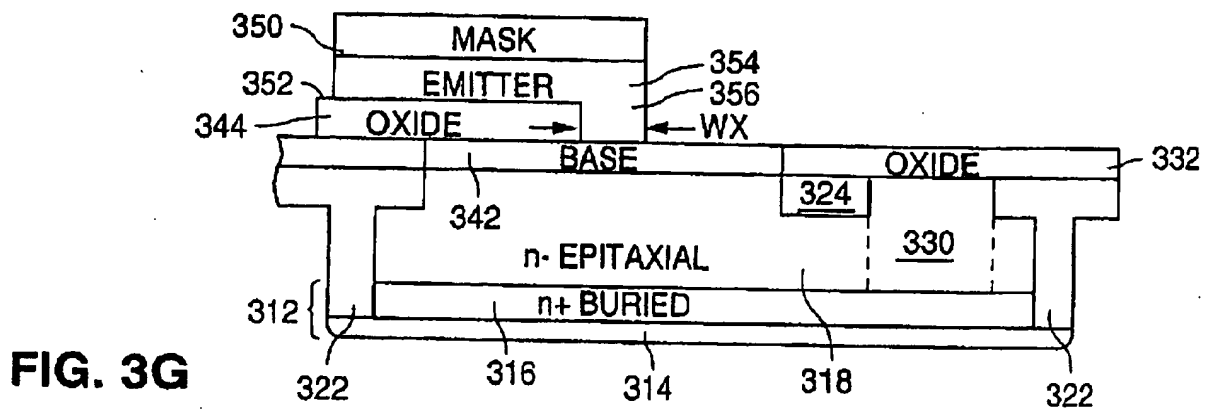


**FIG. 3E**



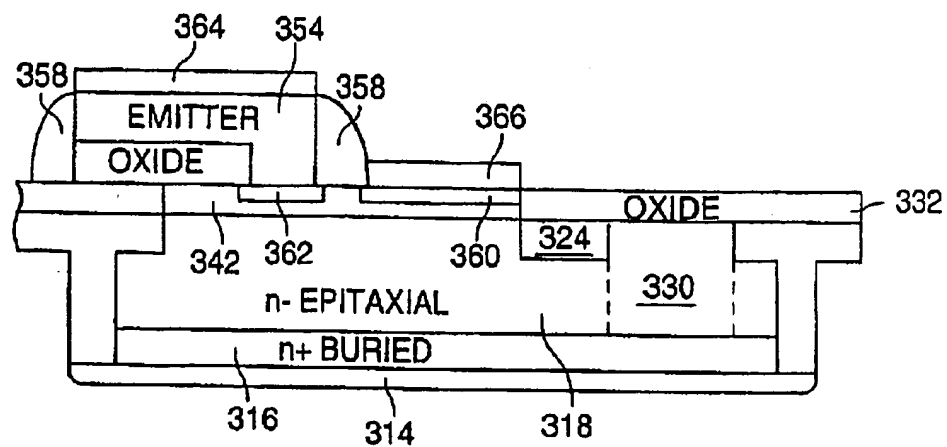
**FIG. 3F**



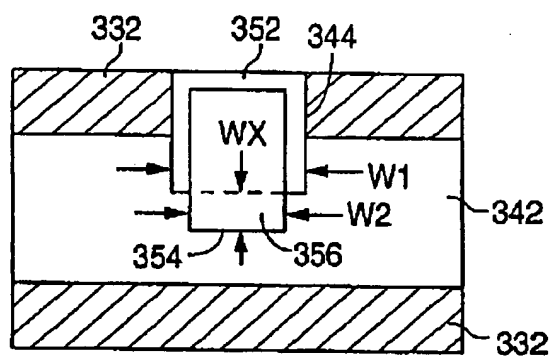




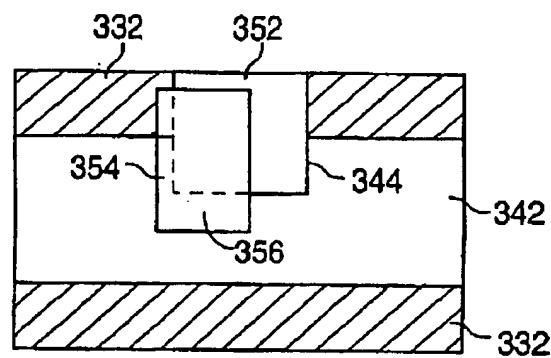
**FIG. 3J**

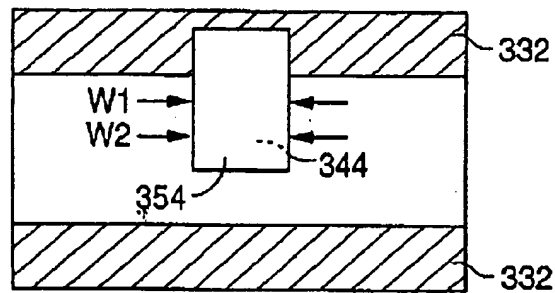


**FIG. 4**



**FIG. 5**





**FIG. 6**

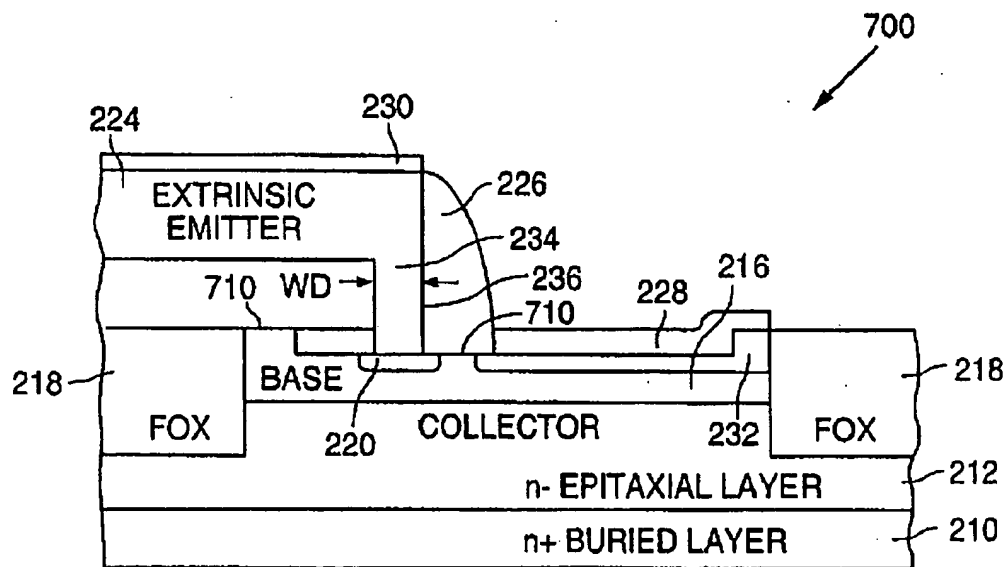
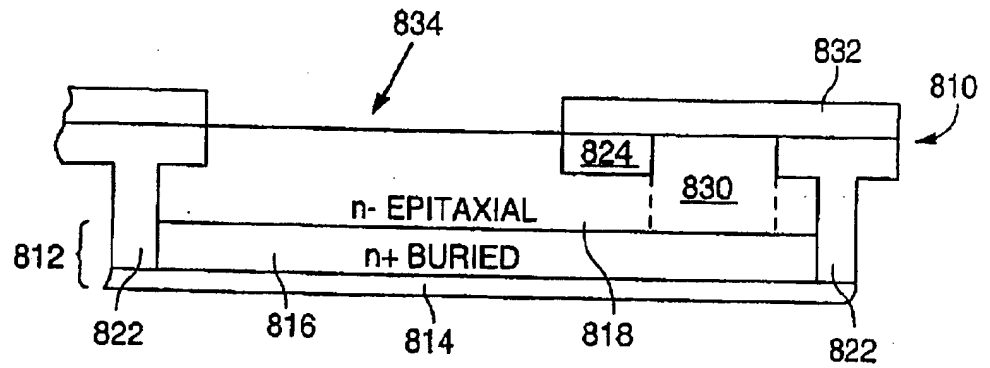
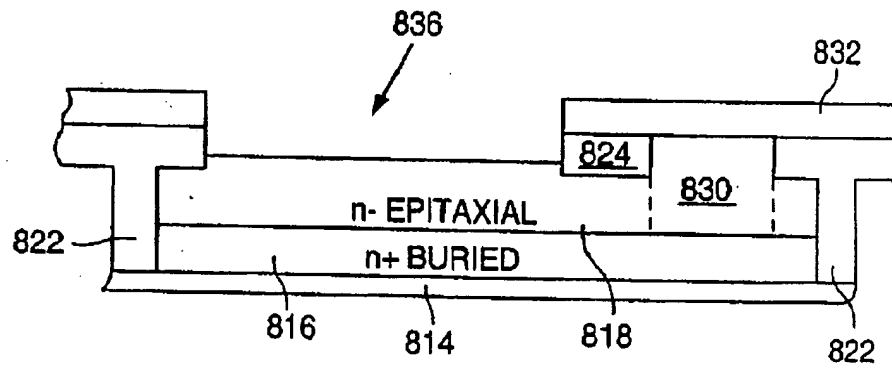


FIG. 7



**FIG. 8A**



**FIG. 8B**

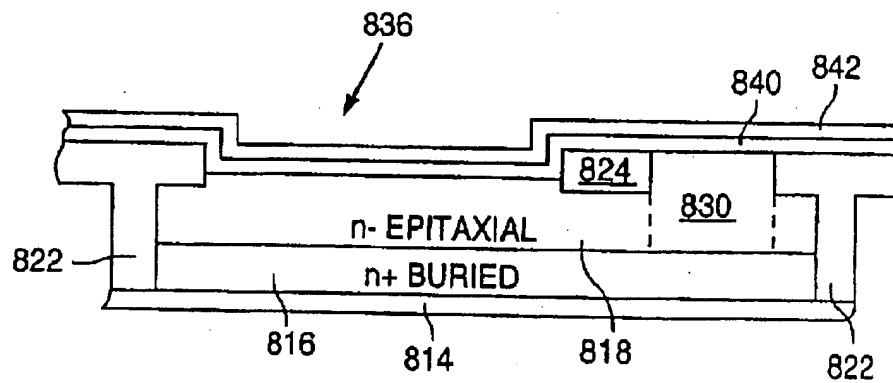
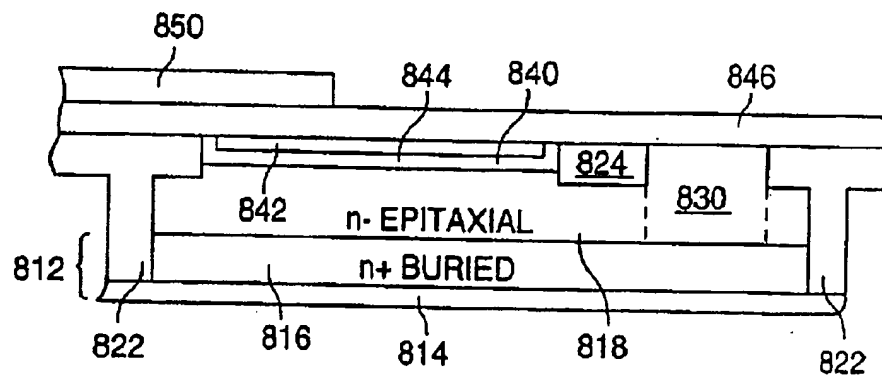
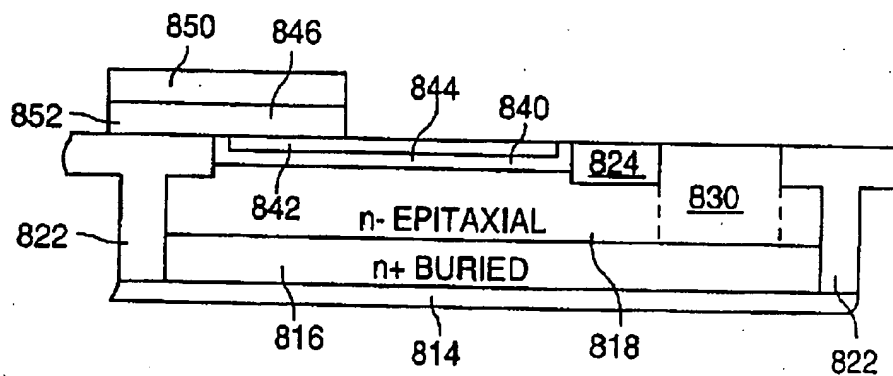


FIG. 8C

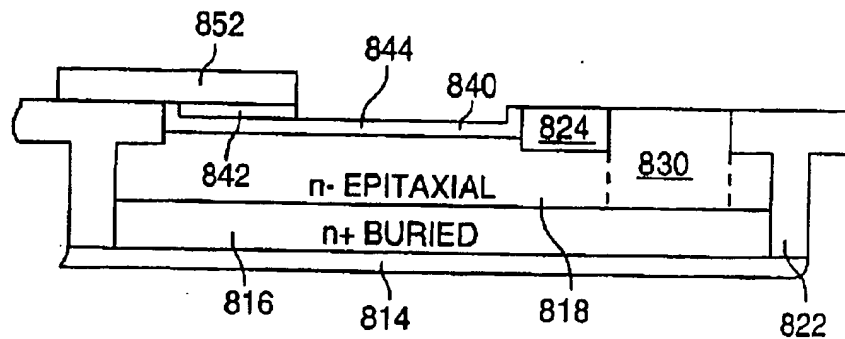
**FIG. 8D**



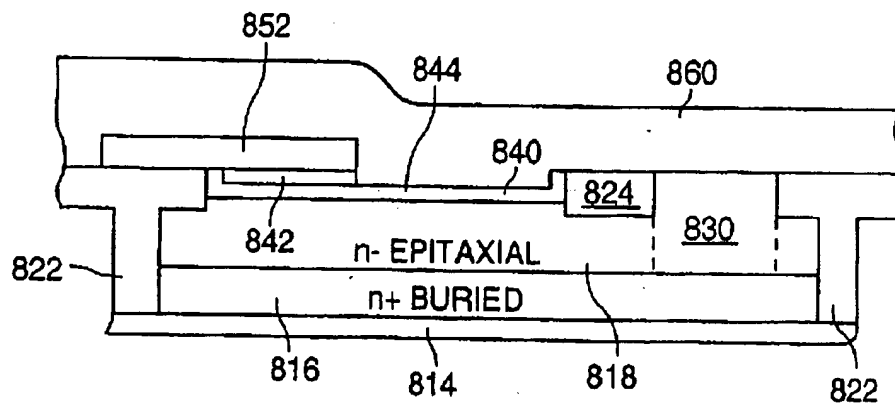
**FIG. 8E**



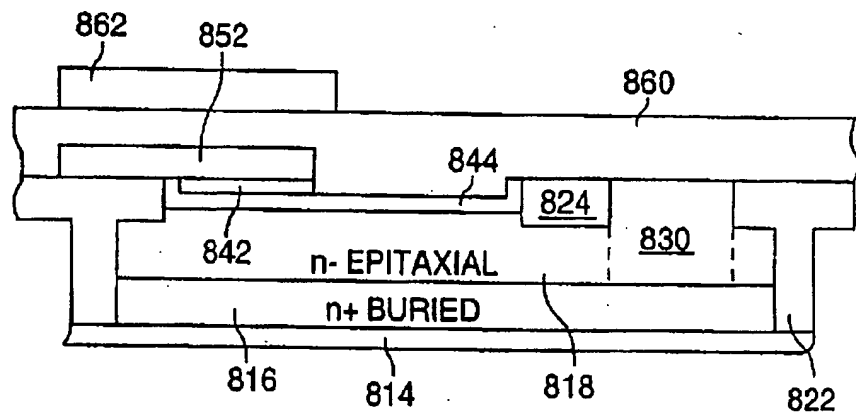
**FIG. 8F**



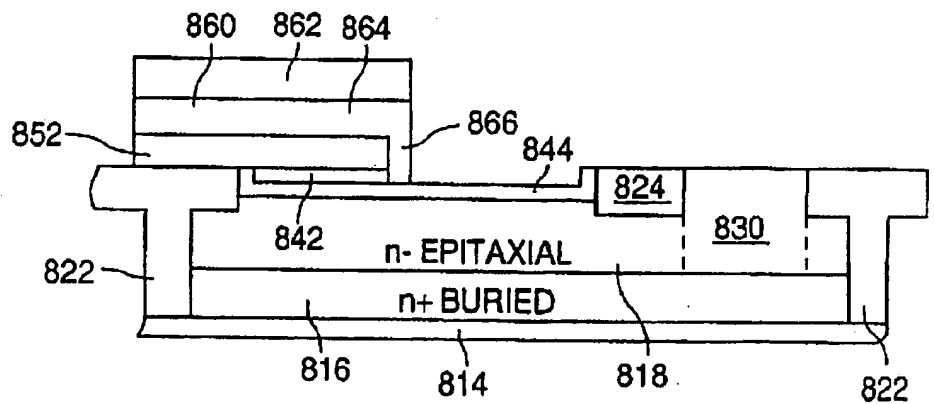
**FIG. 8G**

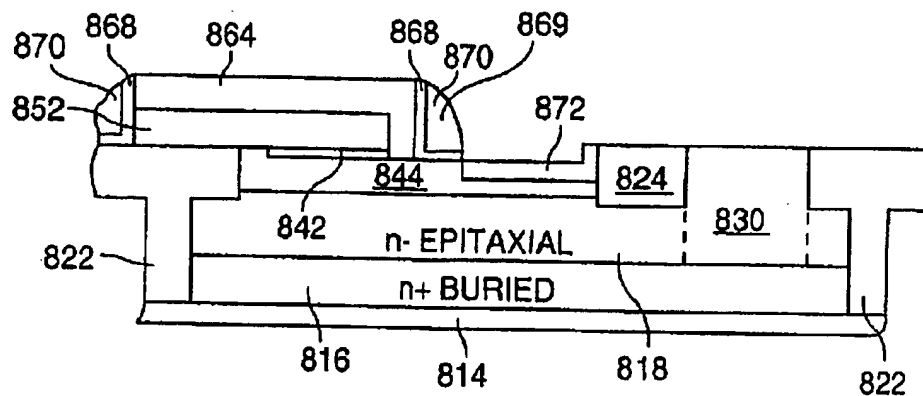


**FIG. 8H**

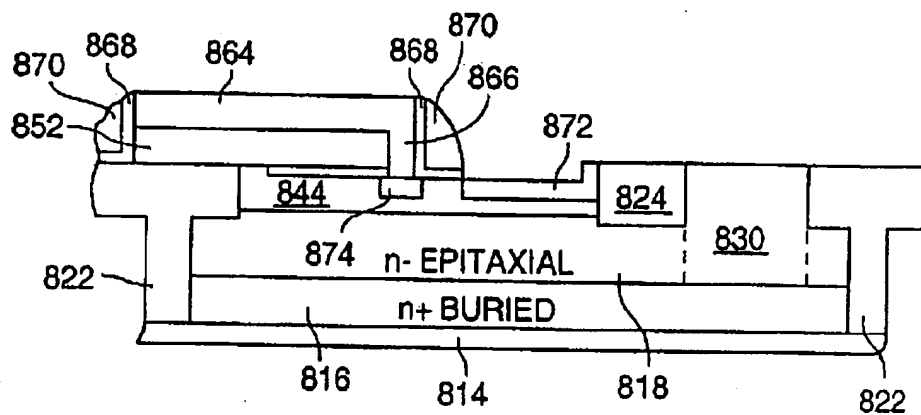


**FIG. 8I**

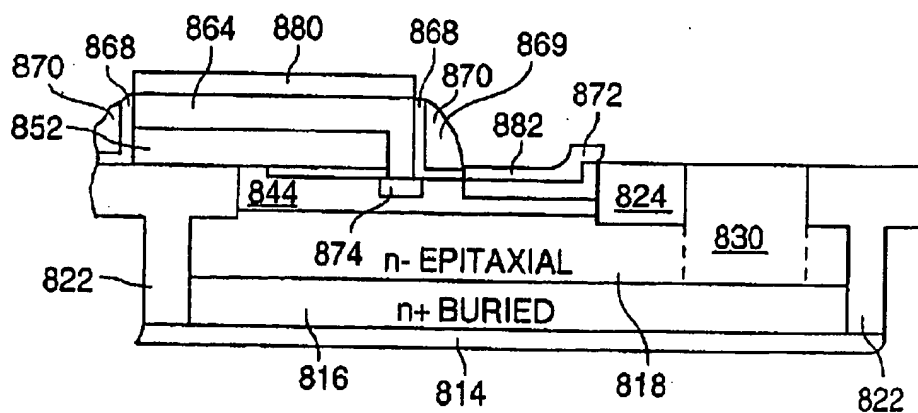




**FIG. 8J**



**FIG. 8K**



**FIG. 8L**